

Williamsburg Ballot Audit Report

Williamsburg Ballot Audit Report  
 Election: Senate 32 Democratic Runoff  
 Audit Date: 13:27:39, Thu Sep 18, 2014

Prec Nber	Precinct Name	EL30A				Audit				Comments
		Total	Opt	iVo	Flash	iVo	Opt	Man	Delta	
0001	Black River	139	0	139	0	139	0	0	0	
0002	Bloomington	284	0	284	0	284	0	0	0	
0003	Cades	108	0	108	0	108	0	0	0	
0004	Cedar Swamp	137	0	137	0	137	0	0	0	
0005	Central	369	0	369	0	369	0	0	0	
0006	Earles	233	0	233	0	233	0	0	0	
0008	Greenville	521	0	521	0	521	0	0	0	
0009	Harmony	115	0	115	0	115	0	0	0	
0010	Hebron	203	0	203	0	203	0	0	0	
0011	Hemingway	418	0	418	0	418	0	0	0	
0012	Henry-Poplar HL	158	0	158	0	158	0	0	0	
0013	Indiantown	466	0	466	0	466	0	0	0	
0014	Kingstree No. 1	1149	0	1149	0	1149	0	0	0	
0015	Kingstree No. 2	175	0	175	0	175	0	0	0	
0016	Kingstree No. 3	565	0	565	0	565	0	0	0	
0017	Kingstree No. 4	384	0	384	0	384	0	0	0	
0018	Lane	359	0	359	0	359	0	0	0	
0021	Morrisville	67	0	67	0	67	0	0	0	
0022	Mount Vernon	163	0	163	0	163	0	0	0	
0024	Nesmith	219	0	219	0	219	0	0	0	
0026	Pergamos	89	0	89	0	89	0	0	0	
0027	Piney Forest	149	0	149	0	149	0	0	0	
0029	Salters	397	0	397	0	397	0	0	0	
0030	Sandy Bay	171	0	171	0	171	0	0	0	
0031	Singletary	93	0	93	0	93	0	0	0	
0032	Suttons	92	0	92	0	92	0	0	0	
0033	Trio	307	0	307	0	307	0	0	0	
0035	Muddy Creek	250	0	250	0	250	0	0	0	
Precincts Total:		7780	0	7780	0	7780	0	0	0	
0750	Absentee	988	513	475	0	475	513	0	0	
0800	Emergency	0	0	0	0	0	0	0	0	
0850	Failsafe	0	0	0	0	0	0	0	0	
0900	Provisional	0	0	0	0	0	0	0	0	
0950	Failsafe Provisional	0	0	0	0	0	0	0	0	
Virtual Precincts Total:		988	513	475	0	475	513	0	0	
Grand Total:		8768	513	8255	0	8255	513	0	0	

NOTE: Any manual entries shown on this report are supported by the Manual Entry Log (EL68).

Auditor's Comments:

Total number of iVotronic ballots cast containing no votes: 79  
 The following precincts have no ballots cast in them: Emergency, Failsafe, Provisional, Failsafe Provisional  
 This audit is complete and has no exceptions.

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EL30A iVo to EL155 to EL152 Cross Check and Cancelled Ballots.

EL30A Ivo Ballots	EL155 Ballots	EL152 Ballots
8255	8255	8255
Delta from EL30A	0	0
	Delta from EL155	0
	Cast By Voter	8253
	Cast By Poll Wkr	2
	Blank Cast by PW	0
	Cancelled Ballots	15
	Wrong Ballot	1
	Voter Left AB	1
	Voter Left BB	1
	Voter Request	0
	Printer Problem	0
	Terminal Problem	2
	Other Reason	10

(AB = After ballot selected by poll worker.)  
 (BB = Before ballot selected by poll worker.)

Note: The following machines(s) have audit records but no ballots were cast on them: 5133675  
 Because they do not have ballots cast, they cannot be matched to a precinct. This is not an issue as long as the EL30A Ivo Ballots, the EL155 Ballots and the EL152 Ballots match in the table immediately above.

How to read this report.

This is the ballot level report. It compares the number of ballots cast in the tabulation report, the EL30A with the number of ballots cast in the audit data.

The values read from the EL30A report are reported in four categories; Total, Optical (Opt), iVotronic (iVo) and Flash. None of these values on each line are calculated but parsed from the actual report. The total lines are the calculated sums of the individual precinct line values.

The Opt totals are the total number of ballots cast on paper ballots that were scanned into the optical scanner and transferred to the tabulation computer via memory stick or ZipDisk (depending on the type of device, M100 or M650 used to scan the ballots.) Optical totals should exist only in some but not all of the Virtual Precincts at the bottom of the table.

The iVo totals are the results gathered from the PEBs (Personal Electronic Ballot) which are used to open and close an iVotronic voting machine and, after the polls have closed, gather the ballots cast for transmission to the tabulation system.

The Flash totals are the totals that are read from the flash cards in the rare event that the ballots cannot be copied from the machine to the PEB or from the PEB to the tabulating machine.

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The values on the Audit side come from the iVotronic audit data that is read from the flash cards as part of the audit process. That process combines the individual machine data into two master audit files, the EL155 Vote image log and the EL152 iVotronic event log. The EL155 contains a record of all the votes cast on a ballot. The vote images indicate the machine. Counting the number of asterisks in a precinct we get the number of ballots cast in that precinct. That number should always match the number in the iVo column on the EL30A side of the report.

Optical ballots do not have electronically readable audit files. So if the audit data iVotronic total does not match the EL30A Total value, the auditor is prompted to read the paper report from the optical scanner and enter the total ballots cast into the auditing program.

If the sum of the audit iVotronic and Optical ballots cast still do not match the EL30A total value, then the audit software reads the EL68 Manual Entry log for any changes made in that precinct to either the iVo or Opt totals by the CEC staff. It displays any manual entries to the auditor for inclusion into the totals. If accepted by the auditor these entries are automatically added to the Man column from the Manual Entry log.

Finally, the audit software calculates the Delta value which should be zero unless the sum of the iVo, the Opt and the Man do not match the EL30A Total column. If the Delta is greater than zero then audit data is missing. A comment will be placed on that line in the report indicating missing audit data. If the Delta value is less than zero then there are more ballots in the audit data than there are in the tabulated data and a comment will be placed on that line in the report.

Wherever possible, the audit system will attempt to indicate where the difference is by displaying the iVotronic machine numbers and the number of ballots cast on that machine that exist in the audit data. In the case of missing tabulated data, it might be possible to identify a machine that has the same number of ballots cast as the delta value and that number and ballot count will be highlighted with a < sign. If there is a non zero Delta value there will be an entry by the auditor explaining the variance.

Finally, there is a EL30A iVo to EL155 to EL152 Cross Check and Cancelled Ballots table in the report. This table should indicate that the number ballots cast in the EL30A match the numbers in the EL155 and the EL152 report. Then there are some statistics pulled from the EL152 report that indicate how many ballots were cast by the voter and the number cast by the poll worker. Lastly the number of ballots that were cancelled and the reason they were cancelled. It should be noted that the reason cancelled is chosen from a pull down menu presented to the poll worker when a ballot is cancelled, there is no way to validate the poll worker's choice.

Williamsburg Vote Audit

Williamsburg Vote Level Audit Report  
 Election: Senate 32 Democratic Runoff  
 Audit Date: 13:28:30, Thu Sep 18, 2014

Precinct Number / Name Office	Candidate	Party	EL30A				Audit		Comments
			Total	Optical	iVo	Flash	iVo	Delta	
0001 Black River State Senate District 32 State Senate District 32	Sam L Floyd Ronnie A Sabb		80 58	0 0	80 58	0 0	80 58	0 0	
0002 Bloomington State Senate District 32 State Senate District 32	Sam L Floyd Ronnie A Sabb		129 153	0 0	129 153	0 0	129 153	0 0	
0003 Cades State Senate District 32 State Senate District 32	Sam L Floyd Ronnie A Sabb		69 38	0 0	69 38	0 0	69 38	0 0	
0004 Cedar Swamp State Senate District 32 State Senate District 32	Sam L Floyd Ronnie A Sabb		95 40	0 0	95 40	0 0	95 40	0 0	
0005 Central State Senate District 32 State Senate District 32	Sam L Floyd Ronnie A Sabb		177 188	0 0	177 188	0 0	177 188	0 0	
0006 Earles State Senate District 32 State Senate District 32	Sam L Floyd Ronnie A Sabb		184 46	0 0	184 46	0 0	184 46	0 0	
0008 Greelyville State Senate District 32 State Senate District 32	Sam L Floyd Ronnie A Sabb		114 402	0 0	114 402	0 0	114 402	0 0	
0009 Harmony State Senate District 32 State Senate District 32	Sam L Floyd Ronnie A Sabb		95 19	0 0	95 19	0 0	95 19	0 0	
0010 Hebron State Senate District 32 State Senate District 32	Sam L Floyd Ronnie A Sabb		195 8	0 0	195 8	0 0	195 8	0 0	
0011 Hemingway State Senate District 32 State Senate District 32	Sam L Floyd Ronnie A Sabb		196 217	0 0	196 217	0 0	196 217	0 0	
0012 Henry-Poplar HL State Senate District 32 State Senate District 32	Sam L Floyd Ronnie A Sabb		99 57	0 0	99 57	0 0	99 57	0 0	

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0013	Indiantown						
State Senate District 32		Sam L Floyd	142	0	142	0	142
State Senate District 32		Ronnie A Sabb	322	0	322	0	322
0014	Kingstree No. 1						
State Senate District 32		Sam L Floyd	787	0	787	0	787
State Senate District 32		Ronnie A Sabb	357	0	357	0	357
0015	Kingstree No. 2						
State Senate District 32		Sam L Floyd	12	0	12	0	12
State Senate District 32		Ronnie A Sabb	161	0	161	0	161
0016	Kingstree No. 3						
State Senate District 32		Sam L Floyd	96	0	96	0	96
State Senate District 32		Ronnie A Sabb	463	0	463	0	463
0017	Kingstree No. 4						
State Senate District 32		Sam L Floyd	144	0	144	0	144
State Senate District 32		Ronnie A Sabb	238	0	238	0	238
0018	Lane						
State Senate District 32		Sam L Floyd	42	0	42	0	42
State Senate District 32		Ronnie A Sabb	314	0	314	0	314
0021	Morrisville						
State Senate District 32		Sam L Floyd	6	0	6	0	6
State Senate District 32		Ronnie A Sabb	61	0	61	0	61
0022	Mount Vernon						
State Senate District 32		Sam L Floyd	78	0	78	0	78
State Senate District 32		Ronnie A Sabb	82	0	82	0	82
0024	Nesmith						
State Senate District 32		Sam L Floyd	39	0	39	0	39
State Senate District 32		Ronnie A Sabb	175	0	175	0	175
0026	Pergamos						
State Senate District 32		Sam L Floyd	60	0	60	0	60
State Senate District 32		Ronnie A Sabb	27	0	27	0	27
0027	Piney Forest						
State Senate District 32		Sam L Floyd	147	0	147	0	147
State Senate District 32		Ronnie A Sabb	1	0	1	0	1
0029	Salters						
State Senate District 32		Sam L Floyd	78	0	78	0	78
State Senate District 32		Ronnie A Sabb	318	0	318	0	318
0030	Sandy Bay						
State Senate District 32		Sam L Floyd	142	0	142	0	142
State Senate District 32		Ronnie A Sabb	28	0	28	0	28

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0031	Singletary							
State Senate District 32		Sam L Floyd	23	0	23	0	23	0
State Senate District 32		Ronnie A Sabb	70	0	70	0	70	0
0032	Suttons							
State Senate District 32		Sam L Floyd	70	0	70	0	70	0
State Senate District 32		Ronnie A Sabb	22	0	22	0	22	0
0033	Trio							
State Senate District 32		Sam L Floyd	50	0	50	0	50	0
State Senate District 32		Ronnie A Sabb	254	0	254	0	254	0
0035	Muddy Creek							
State Senate District 32		Sam L Floyd	192	0	192	0	192	0
State Senate District 32		Ronnie A Sabb	49	0	49	0	49	0
0750	Absentee							
State Senate District 32		Sam L Floyd	382	233	149	0	149	0
State Senate District 32		Ronnie A Sabb	596	278	318	0	318	0
0800	Emergency							
State Senate District 32		Sam L Floyd	0	0	0	0	* No Audit Data expected or found	
State Senate District 32		Ronnie A Sabb	0	0	0	0	* No Audit Data expected or found	
0850	Fail safe							
State Senate District 32		Sam L Floyd	0	0	0	0	* No Audit Data expected or found	
State Senate District 32		Ronnie A Sabb	0	0	0	0	* No Audit Data expected or found	
0900	Provisional							
State Senate District 32		Sam L Floyd	0	0	0	0	* No Audit Data expected or found	
State Senate District 32		Ronnie A Sabb	0	0	0	0	* No Audit Data expected or found	
0950	Fail safe Provisional							
State Senate District 32		Sam L Floyd	0	0	0	0	* No Audit Data expected or found	
State Senate District 32		Ronnie A Sabb	0	0	0	0	* No Audit Data expected or found	

There was no unmatched audit data

How to read this report.

This is the vote level report. It compares the number of votes cast for each candidate in the tabulation report with the number of ballots cast in the audit data for each candidates in each precinct.

The tabulated values as read from the EL30A report are reported in four categories; Total, Optical (Opt), iVotronic (iVo) and Flash. None of these values on each line are calculated but parsed from the actual report. In the EL30A report all Write-in votes are added together and reported as one candidate name - Write-in. The EL30A does not report individual Write-in candidates.

The Opt totals are the total number of votes cast on paper ballots that were scanned into the optical scanner and transferred to the tabulation computer via memory stick or ZipDisk (depending on the type of device, M100 or M650 used to scan the ballots.) Optical totals should exist only in some but not all

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of the Virtual Precincts at the bottom of the table.

The iVo totals are the results gathered from the PEBs (Personal Electronic Ballot) which are used to open and close an iVotronic voting machine and, after the polls have closed, gather the ballots cast for transmission to the tabulation system.

The Flash totals are the totals that are read from the flash cards in the rare event that the ballots cannot be copied from the machine to the PEB or from the PEB to the tabulating machine.

The values on the Audit side come from the iVotronic audit data that is read from the flash cards as part of the audit process. That process combines the individual machine data into a master audit file, the EL155 Vote image log.

The EL155 contains a record of all the votes cast on a ballot. The vote images indicate the machine. Ocounting the number of times a candidate name for a contest appears in a precinct we get the number of votes cast in that precinct for that candidate. That number should always match the number of votes cast for that candidate in that contest in the iVo column on the EL30A side of the report.

Optical ballots do not have electronically readable audit files. So if the audit data iVotronic total votes does not match the EL30A iVo value one of two things will occur. The first is if the iVotronic tabulated is zero and the Total tabulated votes match the tabulated Optical votes the following comment is made in the Audit side of the report; All votes cast for this candidate in this precinct are optical No Audit Data for optical, or secondly, if the iVotronic total is not zero, a notation indicating which data Audit data. In the event a candidate or the combined Write-in candidates did not receive any votes in a precinct the EL30A will report a zero vote count. If there are no votes for this candidate in a precinct in the audit data, the following comment will be placed into the audit report by the auditing software; No Audit Data expected or found.

Finally the audit software will search the audit data for any votes that were not found on the EL30A report. If it finds some, it will report those vote totals by contest, candidate name and precinct. if it does not find any unmatched audit data it will report; There was no unmatched audit data

Williamsburg EL30A45A Compare

Williamsburg EL30A45A Comparison Report  
 Election: Senate 32 Democratic Runoff  
 Audit Date: 13:29:8, Thu Sep 18, 2014

Office	Candidate	Party	EL30A				EL45A				Delta
			Tot	Opt	iVo	Flash	Tot	Opt	iVo	Flash	
State Senate District 32	Sam L Floyd		3923	233	3690	0	3923	233	3690	0	0
State Senate District 32	Ronnie A Sabb		4764	278	4486	0	4764	278	4486	0	0

How to read this report.

This is EL30A EL45A Crosscheck Report. It sums each candidates vote totals in each precinct in the EL30A Precinct Detail Report and compares it to the EL45A Election Summary Report that contains the tabulated total for each candidate in the county.

The values read from the EL30A report are reported in four categories; Total, Optical (Opt), iVotronic (iVo) and Flash. None of these values on each line are calculated but parsed from the actual report. The total lines are the calculated sums of the individual precince line values.

The Opt totals are the total number of votes cast on paper ballots that were scanned into the optical scanner and transferred to the tabulation computer via memory stick or ZipDisk (depending on the type of device, M100 or M650 used to scan the ballots.) Optical totals should exist only in some but not all of the Virtual Precincts at the bottom of the table.

The iVo totals are the results gathered from the PEBs (Personal Electronic Ballot) which are used to open and close an iVotronic voting machine and, after the polls have closed, gather the ballots cast for transmission to the tabulation system.

The Flash totals are the totals that are read from the flash cards in the rare event that the ballots cannot be copied from the machine to the PEB or from the PEB to the tabulating machine.

The values read from the EL45A report are reported in same four categories; Total, Optical (Opt), iVotronic (iVo) and Flash as the EL30A. Like the EL30A they are parsed from the actual EL45A report. The summary candidate totals are compared against the calculated sums for each candidate from, the EL30A report. Each of the values in each line on the EL30A side must match the same value on the EL45A side and the Delta value must be zero.

Williamsburg PEB Use Report  
 Election: Senate 32 Democratic Runoff  
 Audit Date: 13:27:39, Thu Sep 18, 2014

Precinct	PEBs Used	Comments
Black River	156890	
Bloomington	117746	
Cades	236556	
Cedar Swamp	124108	
Central	133277	
Earles	119803	
Greelyville	153178	
Harmony	134004	
Hebron	153221	
Hemingway	138460	
Henry-Poplar HL	137176	
Indiantown	236547	
Kingstree No. 1	156933	
Kingstree No. 2	155181	
Kingstree No. 3	236554	
Kingstree No. 4	133621	
Lane	135011	
Morrisville	125576	
Mount Vernon	153091	
Nesmith	153075	
Pergamos	145946	
Piney Forest	124111	
Salters	149369	
Sandy Bay	153443	
Singletary	123798	
Suttons	236551	
Trio	236546	
Muddy Creek	155255	
Absentee	157102	

29 precincts processed

The following precinct(s) have no ballots cast in them: Emergency, Failsafe, Provisional, Failsafe Provisional  
 Note: if there are no ballots cast in a precinct the machines in that precinct cannot be identified so these precinct(s) will not appear in this report.

How to read this report.

This is the PEB Used report. It lists the precincts found in the Audit data and lists all the PEBs that were used by the poll workers to open and close the iVotronic machines in that precinct.

If more than one PEB is used to open and close all the iVotronic machines in a precinct, then the County Election Commission must read ALL the PEBs used in that precinct to

Williamsburg PEBUsed

assure that they have collected all the ballots from that precinct. A county whose report shows a precinct that has machines open or closed by more than one PEB should double check the Ballot Audit Report against the iVotronic paper tapes and the Poll Book to make sure that all the ballots have been collected and tabulated.

Williamsburg PEBExceptionsReport

Williamsburg PEB Exceptions Report  
 Election: Senate 32 Democratic Runoff  
 Election date: 09/16/2014  
 Audit Date: 13:27:39, Thu Sep 18, 2014

iVo #	Op PEB	Open Time	Cl PEB	Close Time	Exception Type	Precinct - Ballots Cast
5131347	236556	09/16/2014 07:07:53	236556	09/16/2014 19:02:54	Open Time	Cades - 17
5133202	157102	09/10/2014 08:43:50	157102	09/16/2014 19:05:59	>>Open Date<<	Absentee - 247
5133202	157102	09/10/2014 08:43:50	157102	09/16/2014 19:05:59	Open Time	Absentee - 247
5135526	157102	09/10/2014 08:41:33	157102	09/16/2014 19:02:52	>>Open Date<<	Absentee - 228
5135526	157102	09/10/2014 08:41:33	157102	09/16/2014 19:02:52	Open Time	Absentee - 228

The following machines(s) have audit records but no ballots were cast on them: 5133675  
 Because they do not have ballots cast, they cannot be matched to a precinct.

How to read this report.

This is the PEB Exceptions Report. It checks for the following conditions in the iVotronic Event Log;

- 1: A machine that was opened and closed by different PEBs
- 2: A Machine that was not opened on Election Date - could be either an absentee or test machine
- 3: A Machine that was not closed on Election Date - could have had problem closing
- 4: A Machine that was not opened by 7 am - note most Absentee machines will show up here
- 5: A Machine that was closed before 7pm - polls close at 7 PM
- 6: A Machine that was not closed ever.
- 7: A machine that has no ballots cast on it.

Each of the events above detected are reported on a separate line, each line contains the following information:  
 iVotronic machine number, Opening PEB Number, Open Time, Closing PEB Number, Closing Time, the Exception Type and  
 the Precinct and the Ballots Cast on that machine.

Absentee and Failsafe precinct machines are opened during the middle of the day several days before the election date  
 of 09/16/2014. So it is normal for these machines to appear on this report with Open Date and Open Time exceptions.